

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Series 2000 Principal Building Agreement (July 2007 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQs Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES DROP-OFF AND COLLECTION POINT WATTVILLE</p>		R	

The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles

PRICING OF PRELIMINARIES

Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)

SECTION A - PRINCIPAL BUILDING AGREEMENT

Definitions

1/1/1 Clause 1.0 - Definitions and interpretation

F:..... V:..... T:.....

Item

Objective and preparations

1/1/2 Clause 2.0 - Offer acceptance and performance obligations

F:..... V:..... T:.....

Item

1/1/3 Clause 3.0 - Documents

F:..... V:..... T:.....

Item

1/1/4 Clause 4.0 - Design responsibility

F:..... V:..... T:.....

Item

1/1/5 Clause 5.0 - Employer's agents

F:..... V:..... T:.....

Item

1/1/6 Clause 6.0 - Contractor's site representative

F:..... V:..... T:.....

Item

1/1/7 Clause 7.0 - Compliance with laws and regulations

F:..... V:..... T:.....

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Section No. 1

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Bill No. 1

PRELIMINARIES

DROP-OFF AND COLLECTION POINT

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	Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications				
1/1/8	Clause 8.0 - Works risk F:..... V:..... T:.....	Item			
1/1/9	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item			
1/1/10	Clause 10.0 - General insurances F:..... V:.....T:.....	Item			
1/1/11	Clause 11.0 - Special insurances F:..... V:..... T:.....	Item			
1/1/12	Clause 12.0 - Effecting insurances F:..... V:.....T:.....	Item			
1/1/13	Clause 13.0 - Assignment F:..... V:..... T:.....	Item			
1/1/14	Clause 14.0 - Security F:..... V:..... T:..... <u>Execution</u>	Item			
1/1/15	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item			
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1/1/16	<p>Clause 16.0 - Site and access</p> <p>Clause 16.7 - <i>Known services</i></p> <p>Clause 16.8 - <i>Protection of trees</i> (All trees must be protected and preserved)</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/17	<p>Clause 17.0 - Contract instructions</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/18	<p>Clause 18.0 - Setting out of the works</p> <p>The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments.</p> <p>F: V:..... T:.....</p>	Item			
1/1/19	<p>Clause 19.0 - Temporary works and plant</p> <p>Subclause 19.1.1 - <i>Enclosure of the works</i></p> <p>Subclause 19.1.2 - <i>Office accommodation</i></p> <p>Clause 19.2 - <i>Notice boards</i></p> <p>F:..... V:..... T:.....</p>	Item			
1/1/20	<p>Clause 20.0 - Nominated subcontractors</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/21	<p>Clause 21.0 - Selected subcontractors</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/22	<p>Clause 22.0 - Employer's direct contractors</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/23	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>F:..... V:..... T:.....</p>	Item			
Carried to Collection				R	
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	Completion			
1/1/24	Clause 24.0 - Practical completion The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims of loss of profit shall not be entertained F:..... V:..... T:.....	Item		
1/1/25	Clause 25.0 - Works completion F:..... V:..... T:.....	Item		
1/1/26	Clause 26.0 - Final completion F:..... V:..... T:.....	Item		
1/1/27	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....	Item		
1/1/28	Clause 28.0 - Sectional completion F:..... V:..... T:.....	Item		
1/1/29	Clause 29.0 - Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3) F:..... V:..... T:.....	Item		
1/1/30	Clause 30.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item		
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	Payment				
1/1/31	<p>Clause 31.0 - Interim payment</p> <p>The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/32	<p>Clause 32.0 - Adjustment to the contract value</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/33	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/34	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item			
1/1/35	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p>	Item			
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	<u>Termination</u>				
1/1/36	Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....	Item			
1/1/37	Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....	Item			
1/1/38	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item			
1/1/39	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item			
	<u>Dispute</u>				
1/1/40	Clause 40.0 - Settlement of disputes F:..... V:..... T:.....	Item			
	<u>Contract agreement</u>				
1/1/41	Clause 41.0 - Post tender provisions The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item			
1/1/42	Clause 42.0 - Contractual agreement The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item			
	Carried to Collection			R	
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	<u>SECTION B - PRELIMINARIES</u>				
	<u>Definitions and interpretation</u>				
1/1/43	Clause 1.0 - Definitions and interpretation F:..... V:..... T:.....	Item			
	<u>Documents</u>				
1/1/44	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
1/1/45	Clause 2.2 - Provisional bills of quantities These bills of quantities are in "trades" format i.e - earthworks, concretework, masonry, waterproofing, roof coverings, carpentry and joinery, ceilings and partitions, ironmongery, metalworks, plastering, tiling, glazing, painting and are provisional schedule of rates F:..... V:..... T:.....	Item			
1/1/46	Clause 2.3 - Availability of construction documentation F:..... V:..... T:.....	Item			
	<u>Previous work and adjoining properties</u>				
1/1/47	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
1/1/48	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
1/1/49	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item			
	<u>Samples, shop drawings and manufacturer's instructions</u>				
1/1/50	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item			
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1/1/51	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item			
1/1/52	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item			
1/1/53	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:..... <u>Deposits and fees</u>	Item			
1/1/54	Clause 5.1 - Deposits and fees F:..... V:..... T:..... <u>Temporary services</u>	Item			
1/1/55	Clause 6.1 - Water F:..... V:..... T:.....	Item			
1/1/56	Clause 6.2 - Electricity F:..... V:..... T:.....	Item			
1/1/57	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item			
1/1/58	Clause 6.4 - Ablution facilities F:..... V:..... T:..... <u>Prime cost amounts</u>	Item			
1/1/59	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item			
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	<u>Special attendance on n/s subcontractors</u>				
1/1/60	Clause 8.1 - Special attendance <i>General attendance is defined in the n/s subcontract agreement</i> F:..... V:..... T:.....	Item			
	<u>General</u>				
1/1/61	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item			
1/1/62	Clause 9.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item			
1/1/63	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item			
1/1/64	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item			
1/1/65	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item			
1/1/66	Clause 9.6 - Environmental disturbance Where the employer has prepared an environmental management plan, a copy of the plan will be attached as an annexure. The contractor shall then price opposite this item for compliance with all the requirements of such environmental management plan F:..... V:..... T:	Item			
1/1/67	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item			
1/1/68	Clause 9.8 - Vermin F:..... V:..... T:.....	Item			
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1/1/69	<p>Clause 9.9 - Overhand work</p> <p>F:..... V:..... T:.....</p> <p><u>Schedule of variables</u></p> <p>Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract</p> <p>10.1 - Provisional bills of quantities [clause 2.2] The quantities are provisional Yes</p> <p>10.2 - Availability of construction documentation [clause 2.3] Construction documentation is complete No</p> <p>10.3 - Previous work - dimensional accuracy [clause 3.1]</p> <p>10.4 - Previous work - defects [clause 3.2]</p> <p>10.5 - Inspection of adjoining properties [clause 3.3]</p> <p>10.6 - Water [clause 7.2] Option A (by contractor) yes Option B (by employer - free of charge) no Option C (by employer - metered) no</p> <p>10.7 - Electricity [clause 7.3] Option A (by contractor) yes Option B (by employer - free of charge) no Option C (by employer - metered) no</p> <p>10.8 - Telecommunications [clause 7.4] Telephone yes Facsimile yes E-mail yes</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 PRELIMINARIES DROP-OFF AND COLLECTION POINT WATTVILLE</p>	Item			
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10.9 - Ablution facilities [clause 7.5]

Option A (by contractor) *yes*

Option B (by employer) *no*

10.10 - Protection of the works [clause 9.1]

10.11 - Protection/isolation of existing/sectionally
occupied works [clause 9.2] Protection/isolation is
require

No

10.12 - Disturbance [clause 9.5]

10.13 - Environmental disturbance [clause 9.6]

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PRELIMINARIES

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	SECTION C - SPECIFIC PRELIMINARIES				
1/1/70	Site instructions Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor F:..... V:..... T:.....	Item			
1/1/71	Warranties for material and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item			
1/1/72	Co-operation of contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:..... V:..... T:.....	Item			
	Carried to Collection				
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1/1/73	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item			
1/1/74	Testing of windows for watertightness Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means F:..... V:..... T:.....	Item			
1/1/75	Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:..... SUMMARY OF CATEGORIES Category : Fixed R..... Category : Value R..... Category : Time R.....	Item			
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PRELIMINARIES

Bill No. 1

PRELIMINARIES

**DROP-OFF AND COLLECTION POINT
WATTVILLE**

Item No	Quantity	Rate	Amount
<p>BILL NO 1</p> <p>SUBSTRUCTURE (PROVISIONAL)</p> <p>PRAMBLES</p> <p>The Tenderer is referred to the General Specification of Materials and Method to be used for Building Contracts (GP/ASC)</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p>SUPPLEMENTARY PREAMBLES</p> <p><u>Nature of ground:</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"</p> <p>If the contractor considers that any of the excavation encountered is in "soft rock" or "hard rock" as dedined, he or she must immediately notify the Quantity Surveyor in writing, failing such notification, the excavation shall be measured and valued accordingly</p> <p>All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density</p> <p>Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling, or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation</p>			
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<p>Section No. 2 BUILDING WORKS Bill No. 1 SUBSTRUCTURE DROP-OFF AND COLLECTION POINT WATTVILLE</p>			

	Carting away				
	Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from the stock piles situated on the building site.				
	<u>EXCAVATION, FILLING, ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
2/1/1	Trenches	m3	8		
2/1/2	Holes	m3	7		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
2/1/3	Soft rock	m3	1		
2/1/4	Hard rock	m3	1		
	<u>Extra over all excavations for carting away</u>				
2/1/5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	7		
	<u>Risk of collapse of excavations</u>				
2/1/6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	49		
	<u>Keeping excavations free of water</u>				
2/1/7	Keeping excavations free of all water other than subterranean water			Item	
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>				
2/1/8	In trenches, holes, etc	m3	8		
	<u>Earth filling supplied by the contractor, compacted to 93% Mod AASHTO density with G5 material in accordance with SABS 1200DM in 150mm layers</u>				
2/1/9	Under surface beds	m3	21		
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	<u>Compaction of surfaces</u>				
2/1/10	Levelling and compaction of ground surface under foundations, surfacebeds etc including scarifying for a depth of 150mm, breaking down oversize material and adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	143		
	<u>Prescribed density tests on filling</u>				
2/1/11	"Modified AASHTO Density" test	No	5		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide</u>				
2/1/12	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	105		
2/1/13	To bottoms and sides of trenches etc	m2	53		
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
2/1/14	Under surface beds, ramps, pavings, steps e.t.c	m2	105		
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>15MPa/12mm concrete</u>				
2/1/15	Surface blinding under footings and bases	m3	1		
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25MPa/19mm concrete</u>				
2/1/16	Bases	m3	3		
2/1/17	Toe	m3	4		
2/1/18	Aprons	m3	4		
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BUILDING WORKS

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SUBSTRUCTURE

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BUILDING WORKS

Bill No. 1

SUBSTRUCTURE

**DROP-OFF AND COLLECTION POINT
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Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>SUPERSTRUCTURE</u>			
	<u>STANDARD PREAMBLES</u>			
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing this bill			
	<u>STEEL ROLLER SHUTTERS ETC</u>			
	<u>"Wispeco" or equal and approved Aluminium roller shutters fixed to brickwork or concrete</u>			
2/2/1	Manual push-up slatted roller shutter for 3000 x 2400mm high opening	No	1	
	<u>STEEL WINDOWS</u>			
	<u>Standard steel windows with burglar bars</u>			
2/2/2	Standard steel window size 2197 x 917mm high	No	2	
	<u>RAINWATER DISPOSAL</u>			
	<u>Galvanised sheet iron</u>			
2/2/3	125 x 100mm Rectangular Eaves gutters	m	30	
2/2/4	Extra over eaves gutter for stopped end	No	4	
2/2/5	Extra over eaves gutter for outlet for 75 x 75mm pipe	No	2	
2/2/6	75 x 75mm Rainwater pipes	m	8	
2/2/7	Extra over rainwater pipe for bend	No	2	
2/2/8	Extra over rainwater pipe for eaves offset	No	2	
	<u>SOIL DRAINAGE</u>			
	<u>uPVC pipes</u>			
2/2/9	110mm Pipes laid in and including trenches not exceeding 1m deep	m	25	
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	BUILDING WORKS			
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	SUPERSTRUCTURE			
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2/2/10	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	2		
	<u>Extra over heavy duty uPVC pipes for fittings</u>				
2/2/11	110mm Bend	No	4		
2/2/12	110mm Access bend	No	2		
2/2/13	110mm Junction	No	1		
2/2/14	110mm Access junction	No	1		
	<u>Inspection chambers</u>				
2/2/15	Inspection chamber 910 x 910 and not exceeding 750mm deep internally (Cover elsewhere)	No	1		
	<u>Covers, etc</u>				
2/2/16	600x600mmx82kg Type 9B cast iron single seal manhole cover	No	1		
2/2/17	Lifting key for manhole cover	No	1		
	<u>Sundries</u>				
2/2/18	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in "soft rock"	m3	1		
2/2/19	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in "hard rock"	m3	1		
2/2/20	300x300x50mm Precast concrete inspection eye marker slab set in ground	No	1		
2/2/21	100mm Cast iron "ABC" cleaning eye	No	1		
2/2/22	Testing soil drainage system		Item		
	<u>SANITARY FITTINGS</u>				
	<u>"Vaal"</u>				
2/2/23	"Vaal" Sanitaryware Hibiscus basin bolted with 2 x 8mm bolts code 8446Z0.	No	1		
	Carried to Collection			R	
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	WATTVILLE				

2/2/24	"Vaal" Sanitary Protea paraplegic vitreous china floor mounted paraplegic wash down suite as 750200 with solid hard plastic toilet seat and lid as A1 De Lux (SABS CKS 301), 110mm PVC P-trap (rear left or right as required), 15mm chrome plated ster underwall stop tap, 330mm above FFL as CObra 128, 9 litre cistern as Vaal 710536 with chrome plated side-flush lever mounted to left of cistern	No	1		
2/2/25	32mm Basin waste union	No	1		
2/2/26	40mm Deep seal "P" or "S" trap	No	1		
2/2/27	Stopcock	No	1		
2/2/28	Chrome Plated pillar tap	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes</u>				
2/2/29	50mm Pipes laid in and including trenches not exceeding 1m deep	m	20		
2/2/30	50mm Pipes	m	3		
2/2/31	110mm Pipes	m	2		
	<u>Extra over uPVC pipes for fittings</u>				
2/2/32	50mm Access bend	No	3		
2/2/33	50mm Access Tee	No	3		
2/2/34	110mm Access bend	No	2		
2/2/35	110mm Access Tee	No	2		
2/2/36	110mm Access bent pan connector	No	1		
2/2/37	50mm Air vent cowl	No	1		
	<u>WATER SUPPLIES</u>				
	<u>Class I copper pipes</u>				
2/2/38	28mm Pipes	m	15		
2/2/39	22mm Pipes	m	6		
	Carried to Collection			R	
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2/2/40	15mm Pipes <u>Extra over class I copper pipes for capillary fittings</u>	m	6		
2/2/41	28mm Fittings	No	4		
2/2/42	22mm Fittings	No	4		
2/2/43	15mm Fittings <u>GLAZING TO STEEL WITH PUTTY</u> 4mm Clear float glass	No	4		
2/2/44	Panes exceeding 0,1m2 and not exceeding 0,5m2 <u>PAINTWORK ETC TO NEW WORK</u> <u>On Metal</u> <u>Prepare and apply one undercoat and two finishing coats of gloss paint</u>	m2	4		
2/2/45	On roller shutter door	m2	26		
2/2/46	On windows with burglar bars (both sides measured flat)	m2	8		
				R	
Carried to Collection					
Section No. 2 BUILDING WORKS Bill No. 2 SUPERSTRUCTURE DROP-OFF AND COLLECTION POINT WATTVILLE					

Section No. 2

BUILDING WORKS

Bill No. 2

SUPERSTRUCTURE

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Section No. 2

BUILDING WORKS

Bill No. 2

SUPERSTRUCTURE

**DROP-OFF AND COLLECTION POINT
WATTVILLE**

Item No		Quantity	Rate	Amount
	SECTION 3			
	BILL NO 1			
	EXTERNAL WORKS (PROVISIONAL)			
	STANDARD PREAMBLES			
	The contractor is referred to the Model Preambles for Trades (2008 edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
	Site clearance			
3/1/1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	1,913	
3/1/2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	507	
	Earth filling supplied by the contractor in filling up levels under roads, paving, etc.			
3/1/3	Over site of G7 material in accordance with SABS 1200 DM compacted to 93% Mod AASHTO density	m3	59	
	Extra over all excavations for carting away			
3/1/4	Surplus material from stock piles on site to a dumping site to be located by the contractor	m3	76	
	Compaction of ground surfaces			
3/1/5	Compaction of ground surface under pavings, etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 89% Mod AASHTO density	m2	133	
	Prescribed density tests on filling			
3/1/6	"Modified AASHTO Density" test	No	5	
	Soil insecticide in protection against termites			
3/1/7	Under paving, etc.	m2	386	
	Carried to Collection		R	
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	EXTERNAL WORKS			
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	EXTERNAL WORKS			
	DROP-OFF AND COLLECTION POINT			
	WATTVILLE			

	<u>PAVINGS / STONE AGGREGATES</u>					
	<u>200 x 100 x 80mm approved Concrete brick paving laid on and including 50mm riversand with sand and cement mixture swept into joints and hosed down</u>					
3/1/8	Paving laid to falls	m2	133			
	<u>25mm aggregate stone</u>					
3/1/9	50mm thick aggregate stone spread and levelled	m2	253			
	<u>PRECAST CONCRETE</u>					
	<u>"Approved" precast concrete fencing finished smooth on exposed surfaces</u>					
3/1/10	2,4m High palisade fencing with top and bottom rails, palings 2,5m long at 145mm centres and posts 3m long at 2m centres cast in and including 400 x 500 x 650mm concrete blocks in ground	m	161			
	<u>Kerbs</u>					
3/1/11	Precast concrete mountable kerb 300mm wide x 300mm high extreme	m	22			
	<u>METALWORKS</u>					
	<u>Steel Gates</u>					
3/1/12	Manually operated steel pallisade sliding gate size 4500 x 2400mm high, including roller guides and heavy duty steel wheels on 50 x 50 x 5mm angle section set into 300 x 200mm mass concrete footing finished smooth with a steel trowel, necessary formwork and excavation.	No	1			
	<u>THE FOLLOWING IN SHED CONSTRUCTION</u>					
	<u>Steel Poles</u>					
3/1/13	100mm Diameter x 3mm thick hollow steel pipe 4500mm high cast into 300 x 300 x 450mm deep 25MPa Concrete base including excavation and welded U-shaped top flange to receive timber purlin (Purlin elsewhere measured)	No	12			
	Carried to Collection				R	
	Section No. 3					
	EXTERNAL WORKS					
	Bill No. 1					
	EXTERNAL WORKS					
	DROP-OFF AND COLLECTION POINT					
	WATTVILLE					

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Section No. 3

EXTERNAL WORKS

Bill No. 1

EXTERNAL WORKS

COLLECTION

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Section No. 3

EXTERNAL WORKS

Bill No. 1

EXTERNAL WORKS

**DROP-OFF AND COLLECTION POINT
WATTVILLE**

	<u>Structural Steel Superstructure Unit</u>				
4/1/1	Provide the sum of R100,000.00 (One Hundred Thousand Rand) for Structural steel superstructure unit to be expended as directed by the Project Manager or his representatives	Item		100,000	00
4/1/2	Allow for profit	Item			
4/1/3	Allow for attendance	Item			
	<u>Electrical Installations</u>				
4/1/4	Provide the sum of R50,000.00 (Fifty Thousand Rand) for Electrical Installations to be expended as directed by the Project Manager or his representatives	Item		50,000	00
4/1/5	Allow for profit	Item			
4/1/6	Allow for attendance	Item			
	<u>Fire Equipment Installations</u>				
4/1/7	Provide the sum of R30,000.00 (Thirty Thousand Rand) for Fire Equipment Installations to be expended as directed by the Project Manager or his representatives	Item		30,000	00
4/1/8	Allow for profit	Item			
4/1/9	Allow for attendance	Item			
	<u>Local Authority Fees</u>				
4/1/10	Provide the sum of R20,000.000 (Twenty Thousand Rand) for Local Authority Fees to be expended as directed by the Project Manager or his representatives	Item		20,000	00
4/1/11	Allow for profit	Item			
	<u>Community Liaison Officer</u>				
4/1/12	Provide the sum of R 10,000.000 (Ten Thousand Rand) to be expended at (R 2,500.00/Month) or pro-rated as applicable for the Community Liaison Officer should it be required, as directed by the Project Manager or his representatives	Item		10,000	00
4/1/13	Allow for profit	Item			
	Carried to Collection			R	
	Section No. 4				
	PROVISIONAL SUMS				
	Bill No. 1				
	PROVISIONAL SUMS				
	DROP-OFF AND COLLECTION POINT				
	WATTVILLE				

